

August 10, 2006

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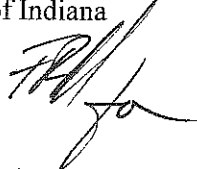
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AUG 15 2006

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MEMORANDUM

To: Service List (attached)
USEPA, Underground Injection Control Branch (WU-16J)
Alan Tenenbaum, U.S. Department of Justice
Mary Ann Habeeb, State of Indiana

From: Ronald E. Hutchens, P.E. 

Subject: Progress Report No. 171
July 1 through July 31, 2006
Remedial Design/Remedial Action
Midco I and II Sites, Gary, Indiana

PROGRESS TOWARD IMPLEMENTING THE CONSENT DECREE

- Continued operation of the Midco I and II Sites' ground water extraction and treatment systems (GWETS) and injection of treated ground water.
- Continued operations of the Midco I soil vapor extraction (SVE) system and the Midco II soil vapor extraction/air sparge (SVE/AS) system. Quarterly monitoring of the Midco II SVE/AS system and monthly monitoring of the Midco I SVE system were performed the week of July 24, 2006.
- Approvals to discontinue ambient air monitoring, waiver of Midco I Site annual ground water monitoring in 2006 and 2007, and waiver of the 2006 annual ground water monitoring at the Midco II Site were received in a USEPA letter, dated July 10, 2006.
- Met with USEPA, IDEM (via teleconference), and Weston Solutions, Inc. (Weston) representatives on July 14, 2006 to discuss various deliverables for the Midco I SVE and Midco II SVE/AS systems.
- Discontinued dewatering inside the Midco I containment barrier wall on July 17, 2006 while continuing to capture the ground water plume outside the containment barrier wall.
- Shut down the Midco I hydrogen peroxide/ultraviolet light (HP/UV) unit and commenced a modified 4-Week Compliance Verification Test of the ground water treatment system (GWTS) on July 17, 2006.
- Confirmation of satisfactory completion of construction of the Midco I Site ground water barrier wall, the Midco I SVE system, and the Midco II SVE/AS system was received in a USEPA letter, dated July 18, 2006.
- Submitted the results of the Baseline Soil Vapor Sampling for the Midco I and Midco II Sites in an ENVIRON letter report, dated July 21, 2006.
- Collected the monthly effluent samples from the Midco I and II Sites' GWTS on July 24, 2006.

MIDCO DEEP INJECTION WELL OPERATING CONDITIONS

- Table 1 summarizes the daily maximum injection pressure, sight glass levels, and minimum differential between injection pressure and annulus pressure. Figures 1 and 2 present the operating flow rates at the Midco I and Midco II Sites' GWTS, respectively. Figure 3 presents the daily maximum injection pressures and flow rates. The daily sight glass levels are shown on Figure 4.
- Total volume of treated water injected:

	Midco I Site	Midco II Site	Deep Well Site
July	1,082,787	2,246,613	3,329,400
Year-to-Date	8,508,470	12,953,430	21,461,900
Total-to-Date	111,528,856	156,234,344	267,763,200

- Annulus system fluid removals - None
- Annulus system fluid additions - None
- Noncompliance occurrences - None

SYSTEM SHUTDOWNS

- Table 2 details the Midco I and Midco II Sites' non-GWETS-related shutdowns, and the scheduled and non-scheduled GWETS-related shutdowns.
- The Midco I Site had no non-GWETS-related shutdowns. The Midco II site had three non-GWETS-related shutdowns. Power failures occurred on July 20 at 5:39 A.M. for 91 minutes; on July 20 at 11:07 A.M. for 16 minutes; and on July 30, 2006 at 12:57 P.M. for 253 minutes.

SAMPLING AND TEST RESULTS

- The analytical results for the quarterly influent and monthly effluent samples collected on June 12, 2006 at the Midco I and II Sites, were received from the data validator on July 20, 2006. The validated analytical results are presented in Tables 3 through 10. The effluent samples met the required maximum allowable concentrations (MACs).

PLANS AND PROCEDURES COMPLETED UNDER THE RD/RA PROJECT PLAN

- None during this reporting period.

ACTIVITIES TO BE CONDUCTED DURING AUGUST 2006

- Continue operation of the Midco I and II Sites' GWETS and injection of treated ground water.
- Continue operation of the Midco II Site SVE/AS system.
- Continue operation of the Midco I SVE system.
- Revise and submit the various deliverables discussed with USEPA, IDEM and Weston during the July 14, 2006 meeting.
- Submit the OMM&C and Ambient Air Progress Report No. 1 for the Midco I SVE system.